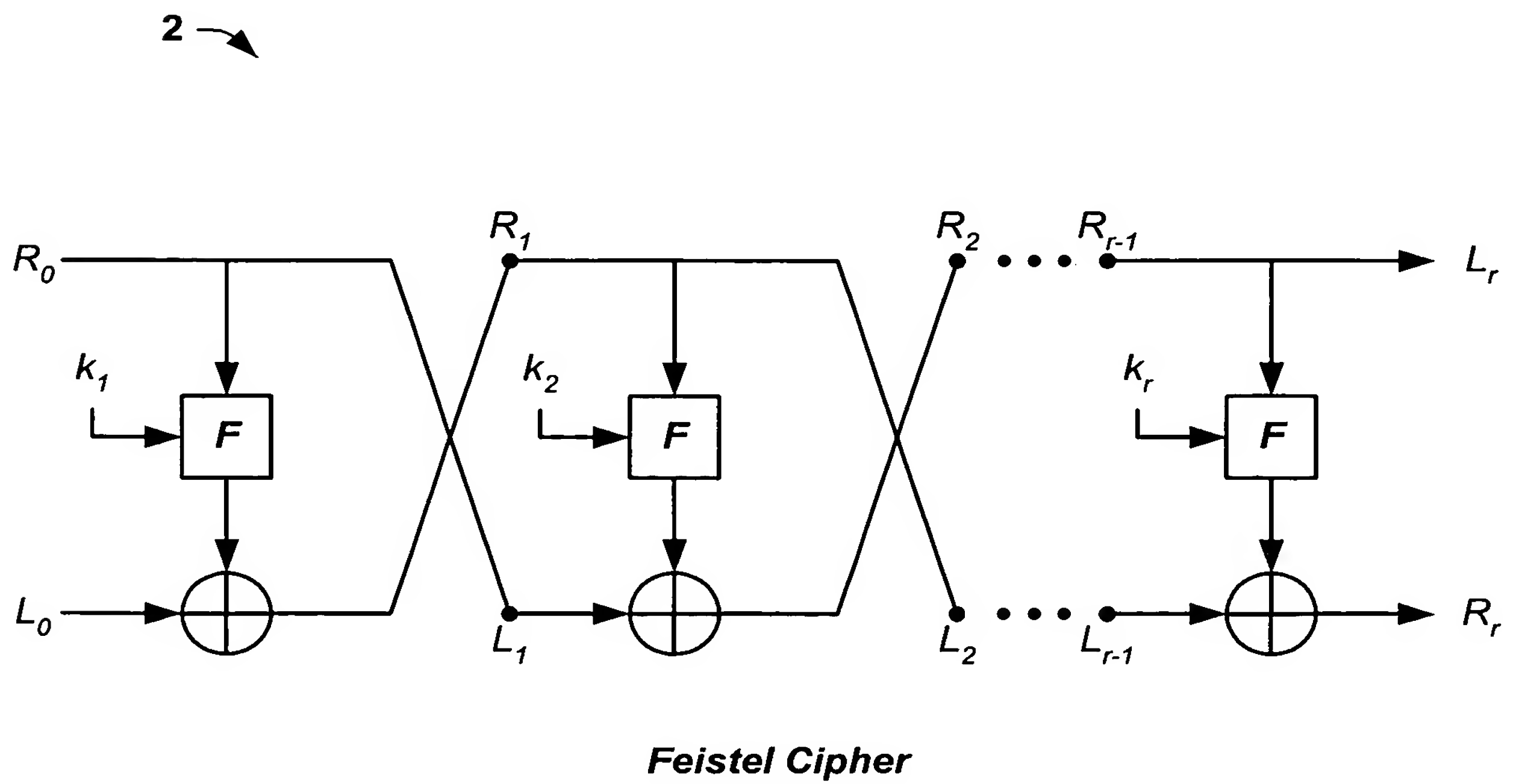
**Fig. 1A****Fig. 1B**

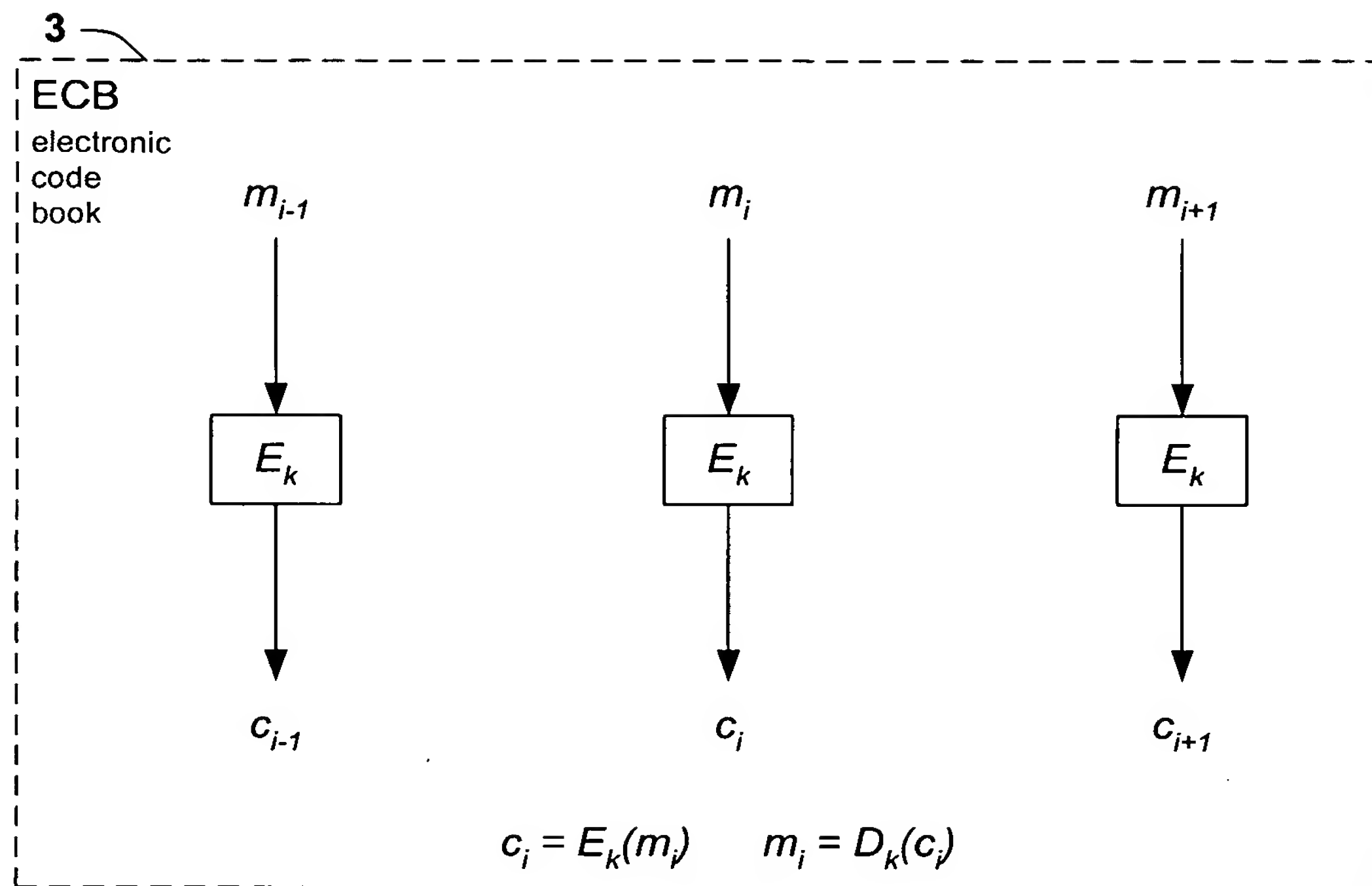


Fig. 1C

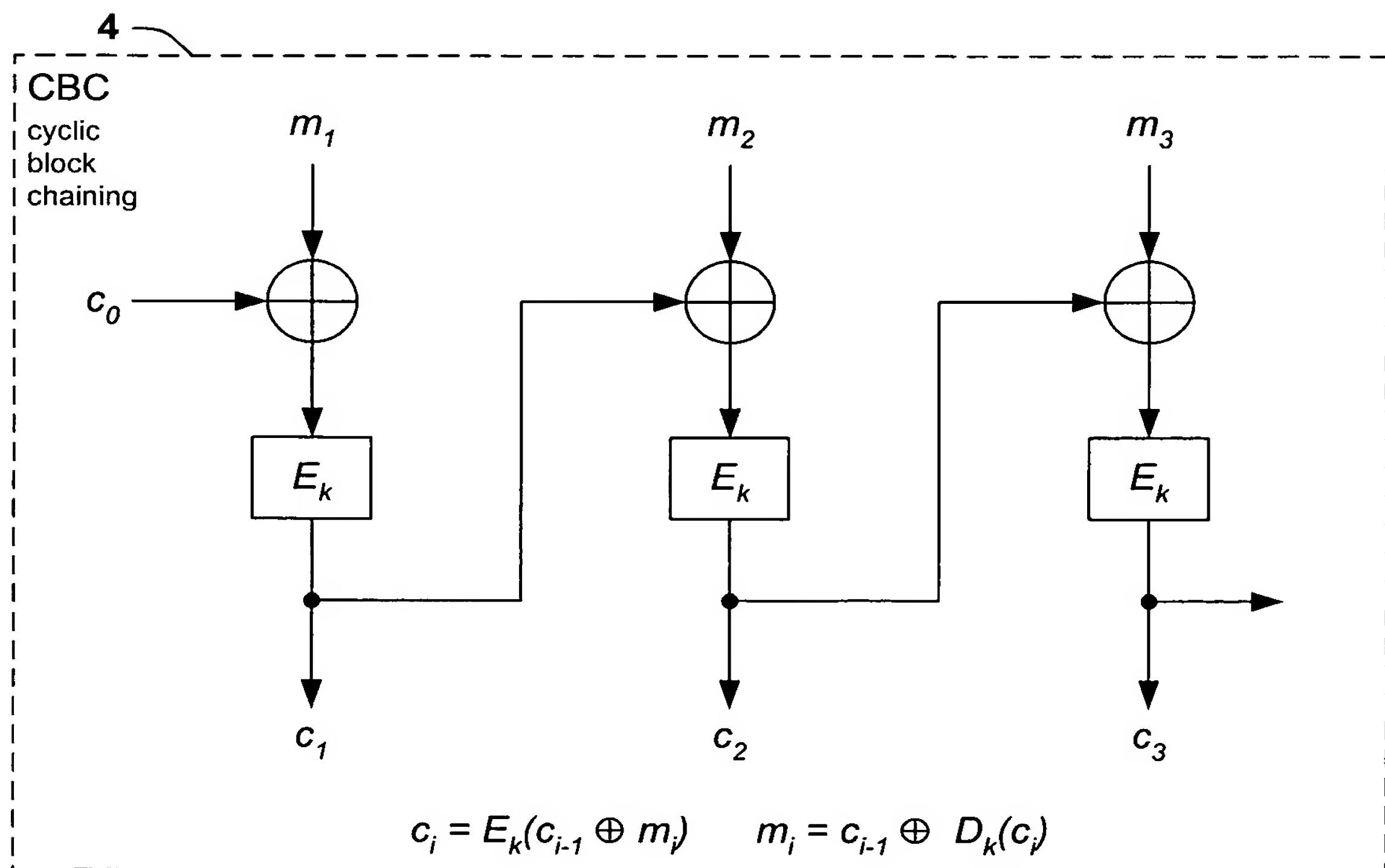
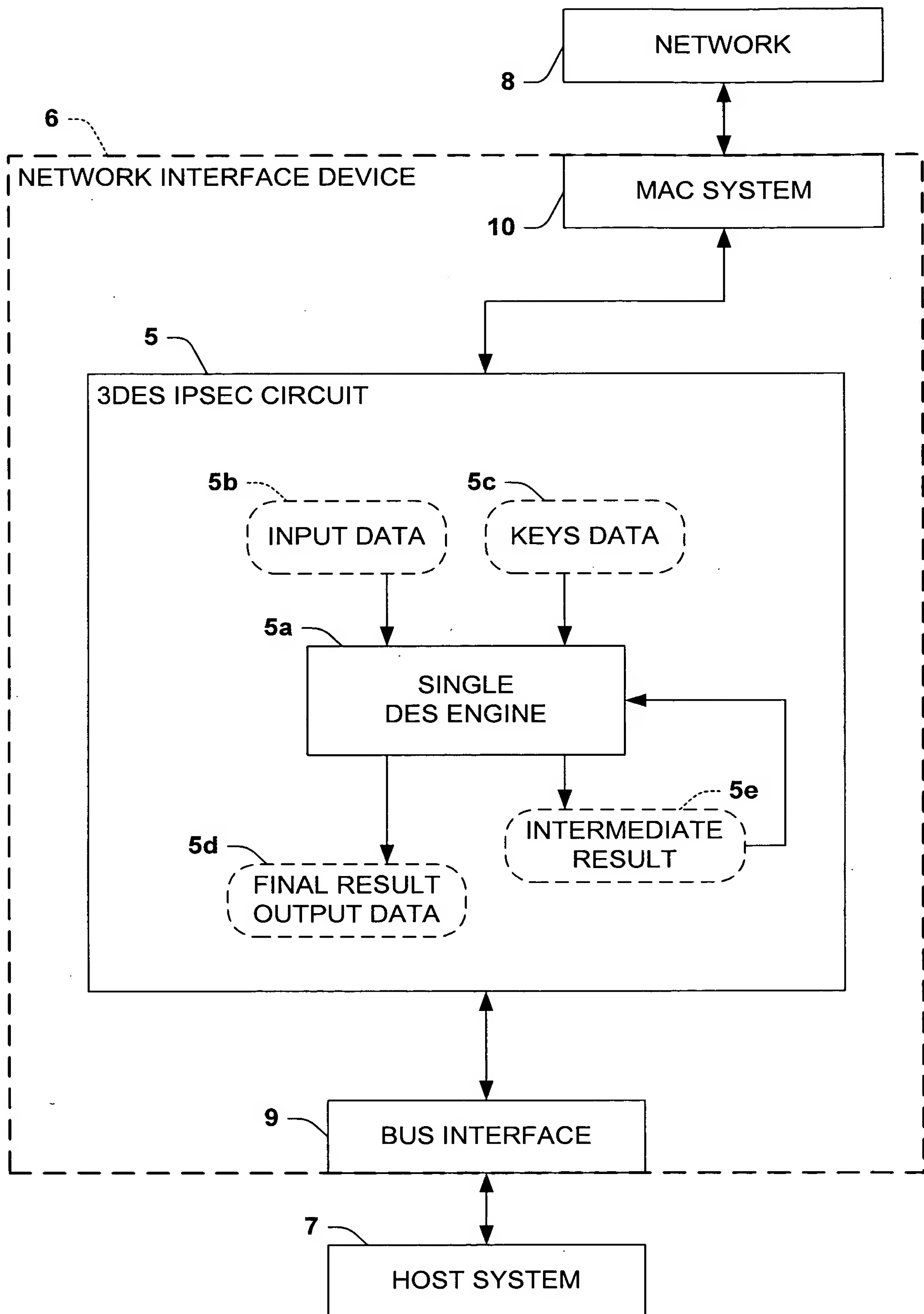
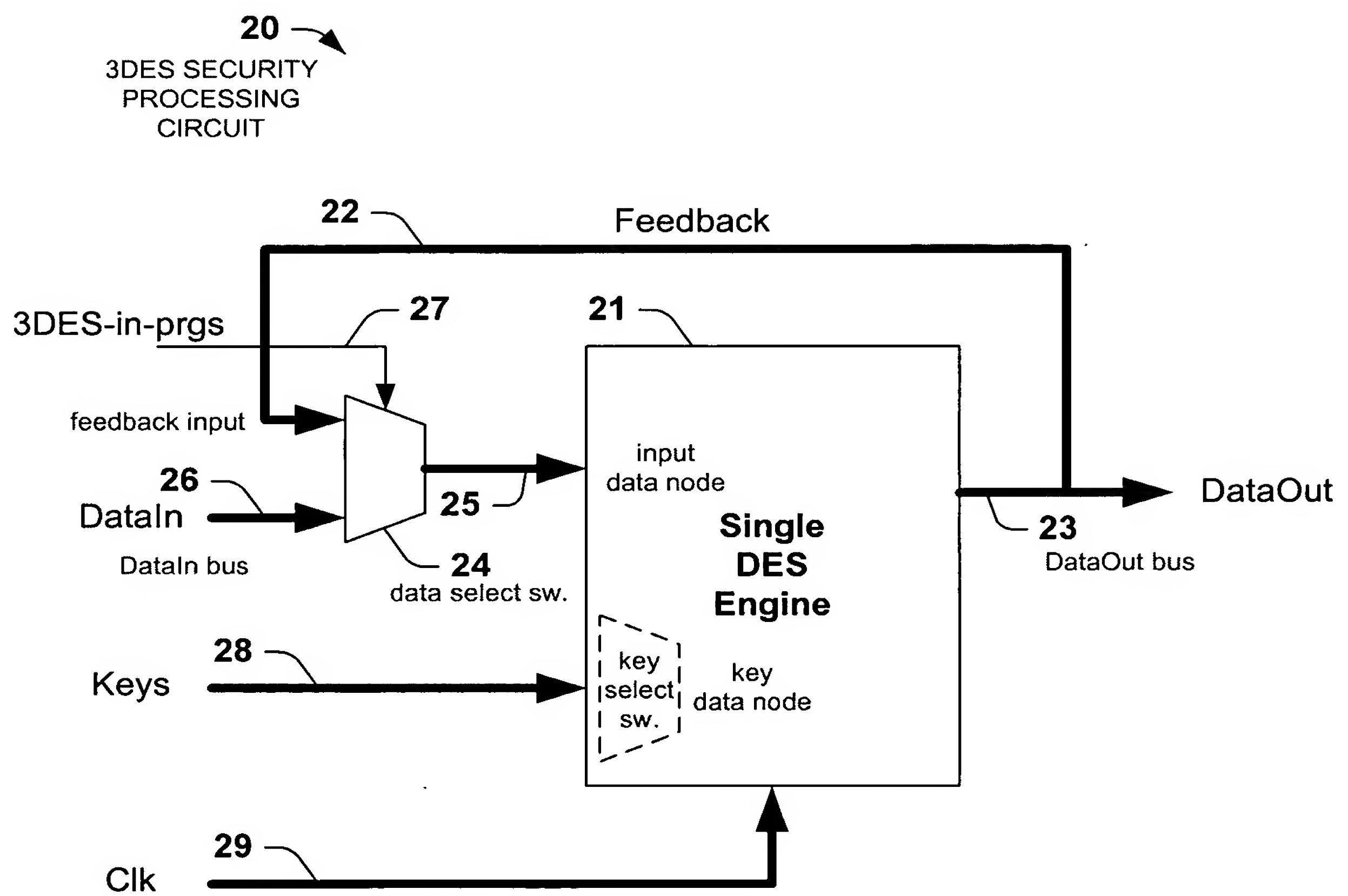


Fig. 1D

**Fig. 1E**

**Fig. 1F**

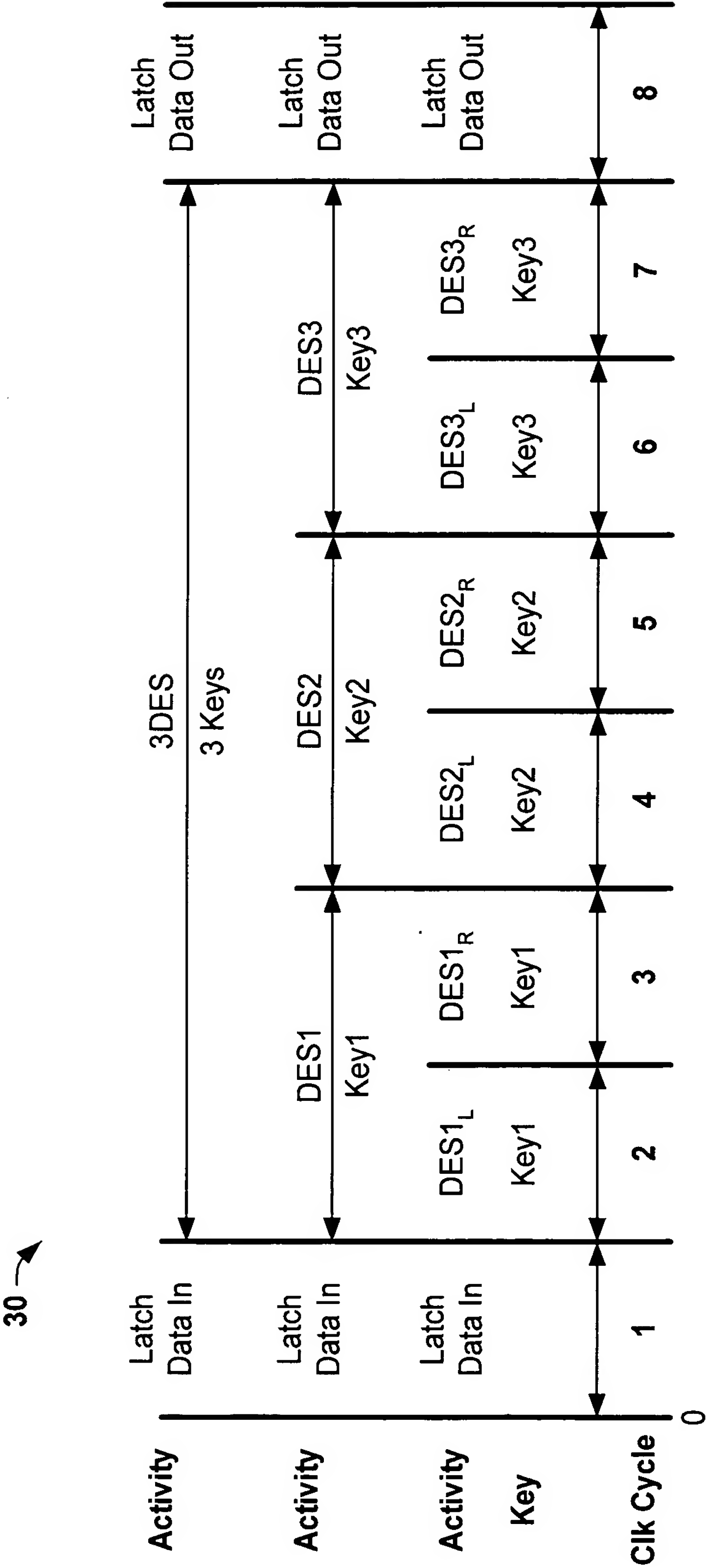
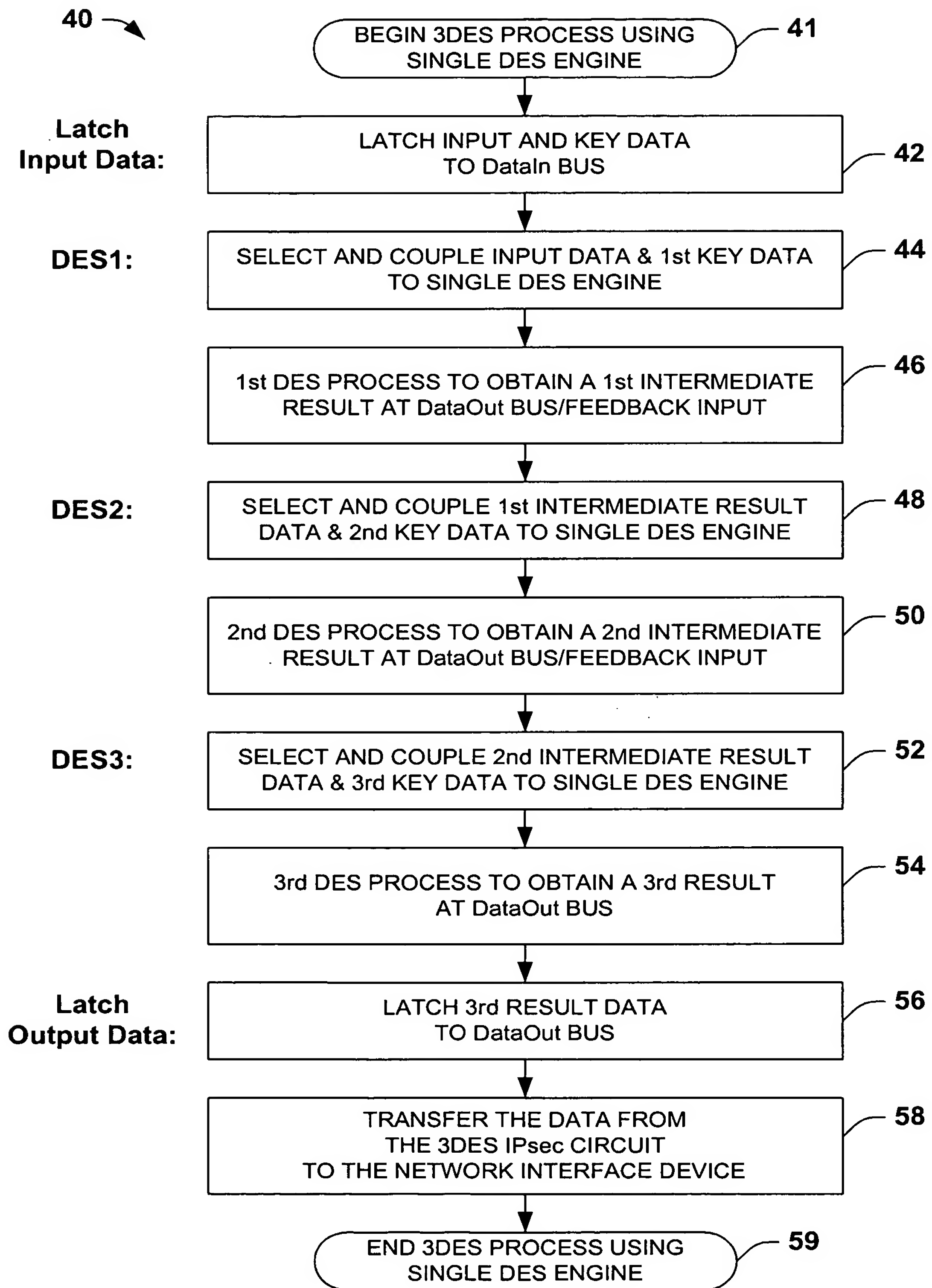


Fig. 1G

**Fig. 1H**

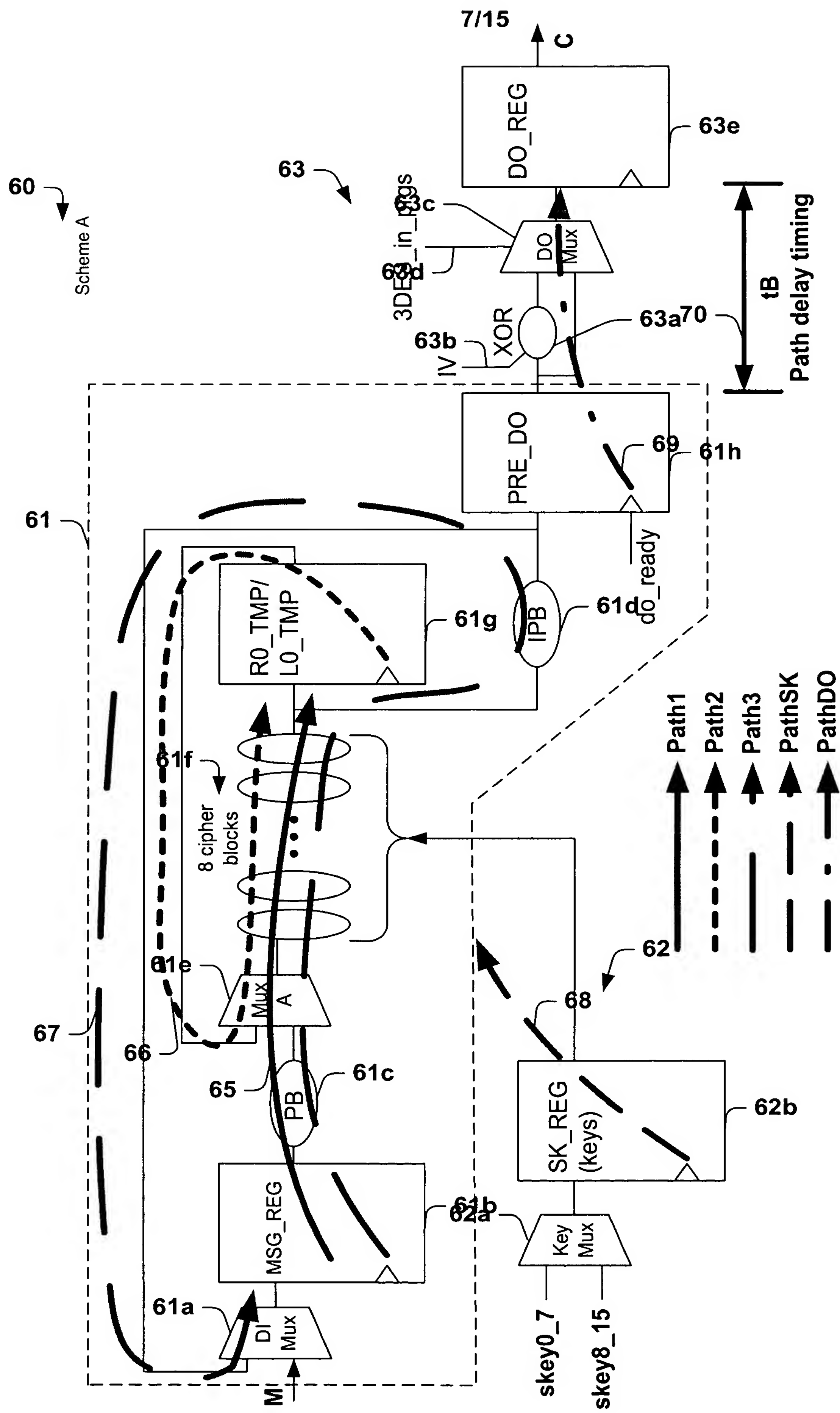


Fig. 11

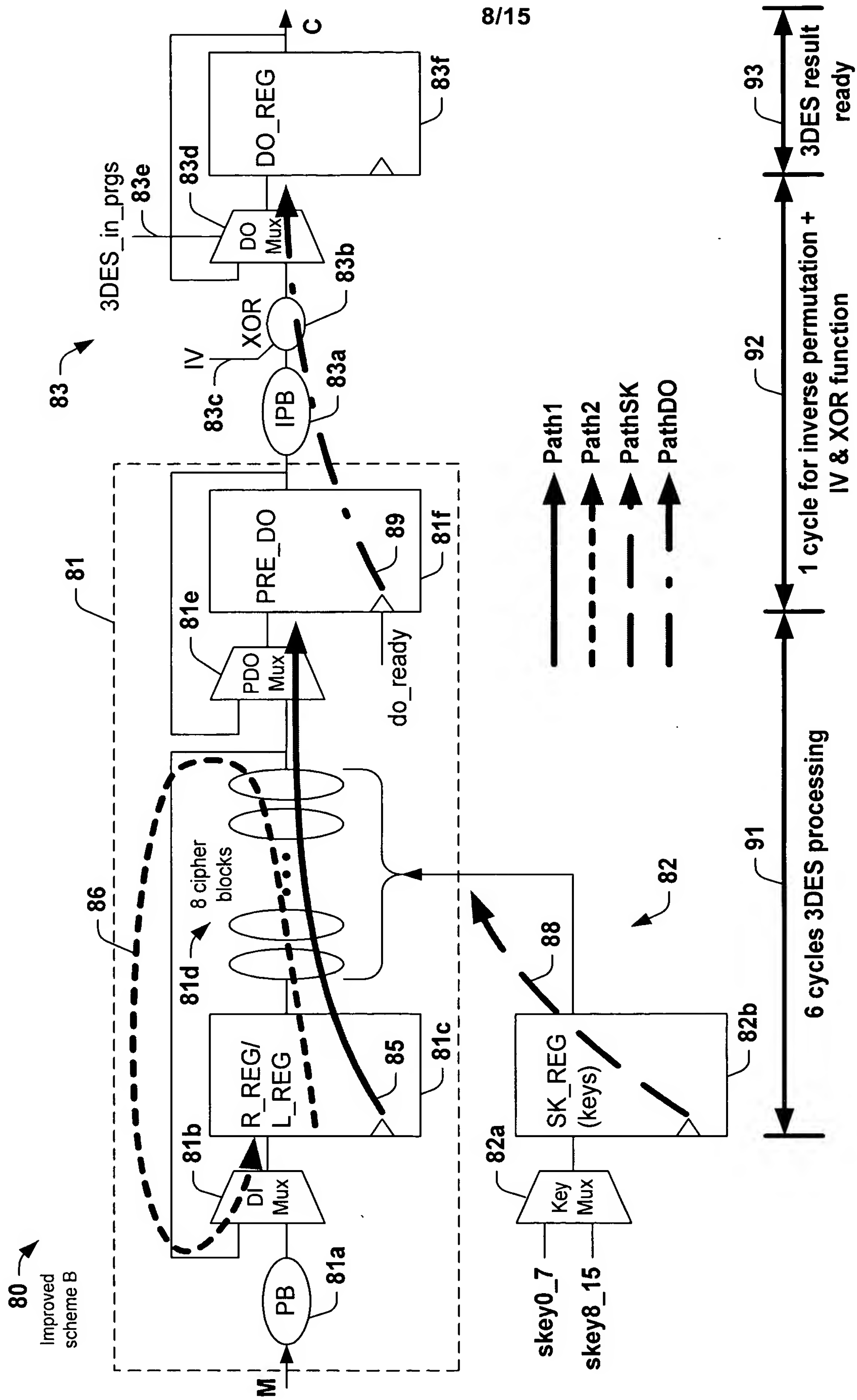


Fig. 1J

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Scheme A	Improved Scheme B
Path1 (1st 8 steps)	Path1 (1st 8 steps)
PB	8 Cipher Blks
MuxA	PDO Mux
8 Cipher Blks	
Path2 (2nd 8 steps)	Path2 (2nd 8 steps)
MuxA	8 Cipher Blks
8 Cipher Blks	DI Mux
Path3 (loopback for 3DES)	Path3 (equivalent- 1 or 2)
PB	8 Cipher Blks
MuxA	DI Mux or PDO Mux
8 Cipher Blks	
IPB	
DI Mux	
PathDO	PathDO
IV XOR	IPB
DO Mux	IV XOR
	DO Mux
PathSK	PathSK
8 Cipher Blks	8 Cipher Blks
	PDO Mux

Fig. 1K

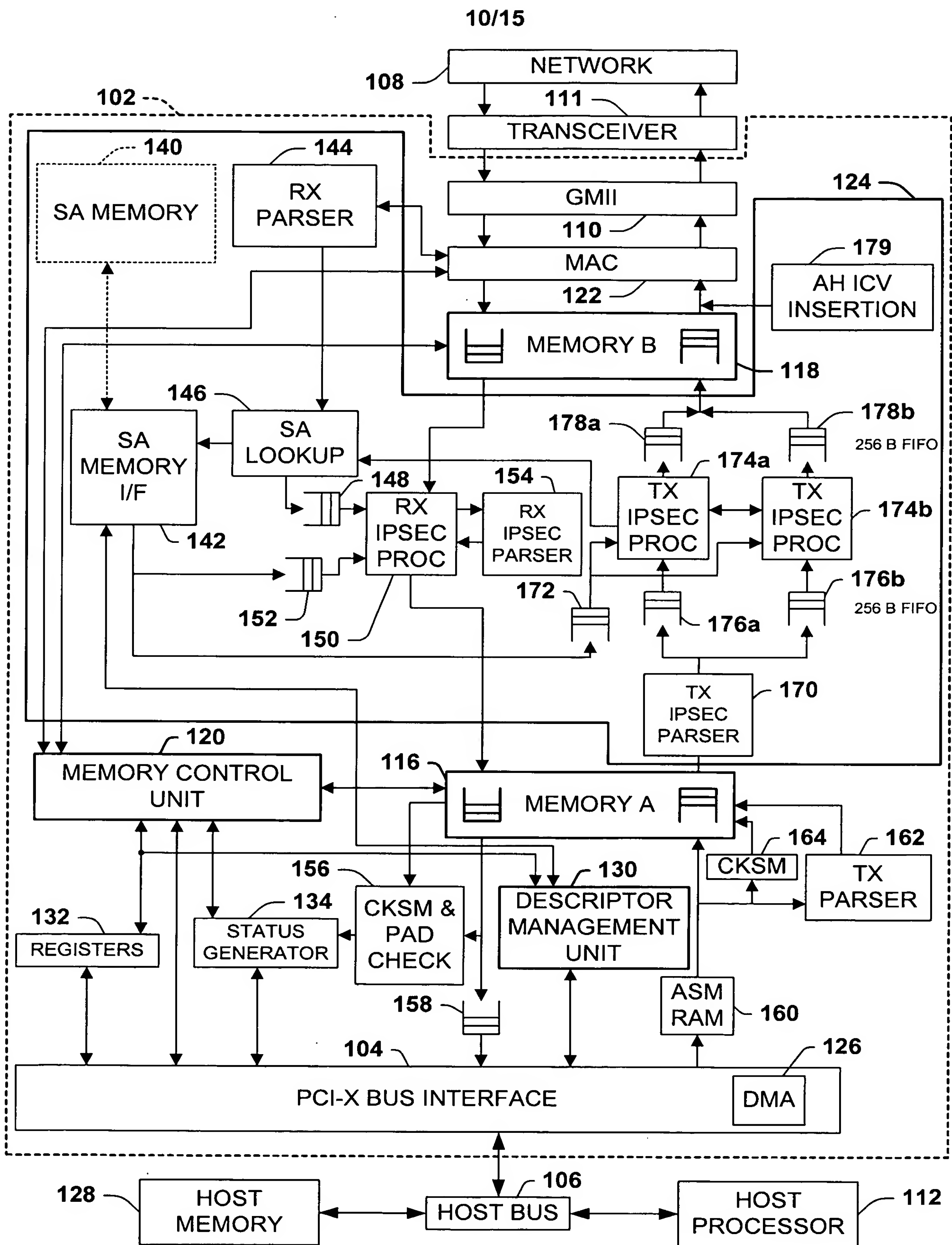


Fig. 2

180

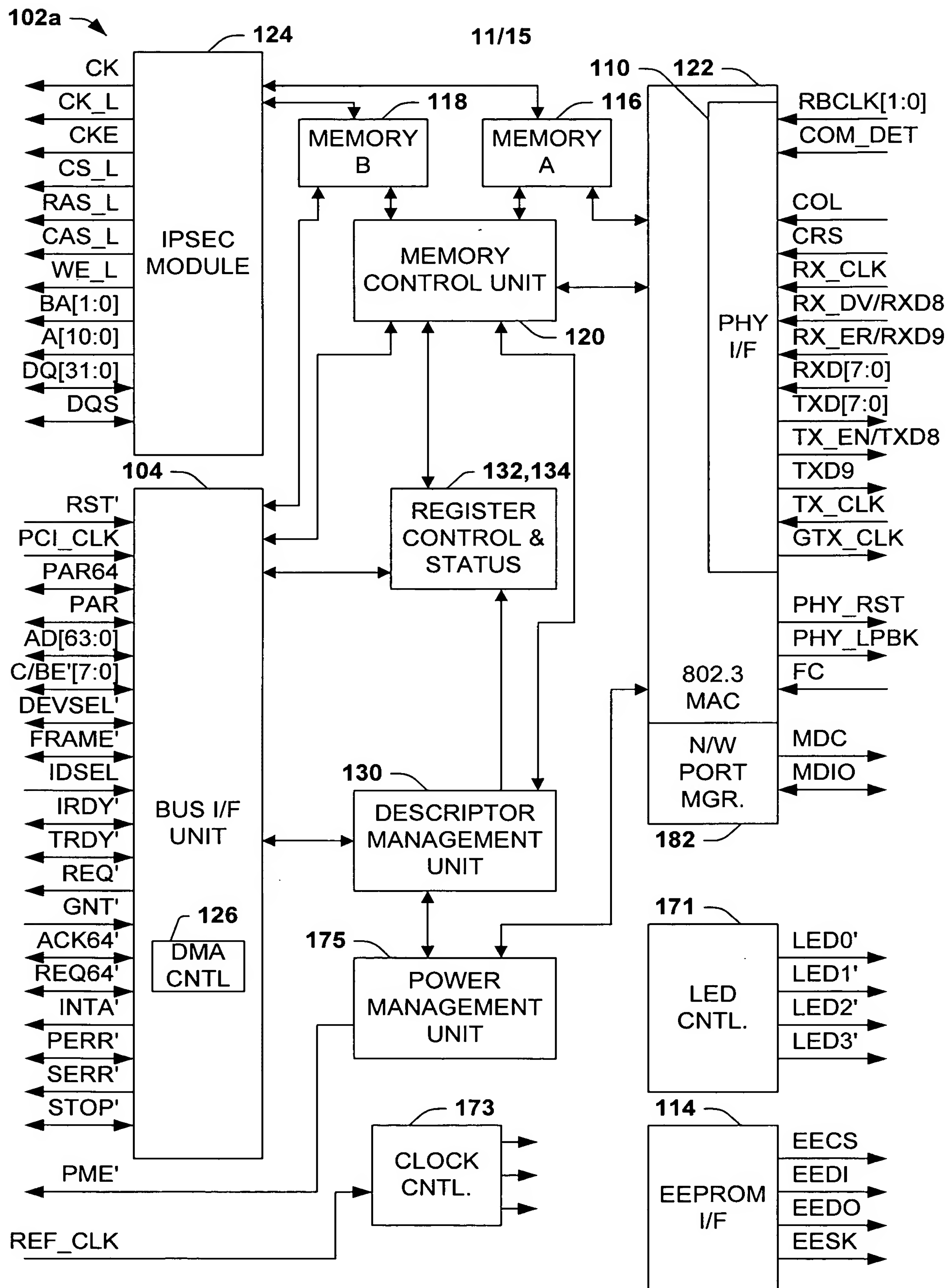
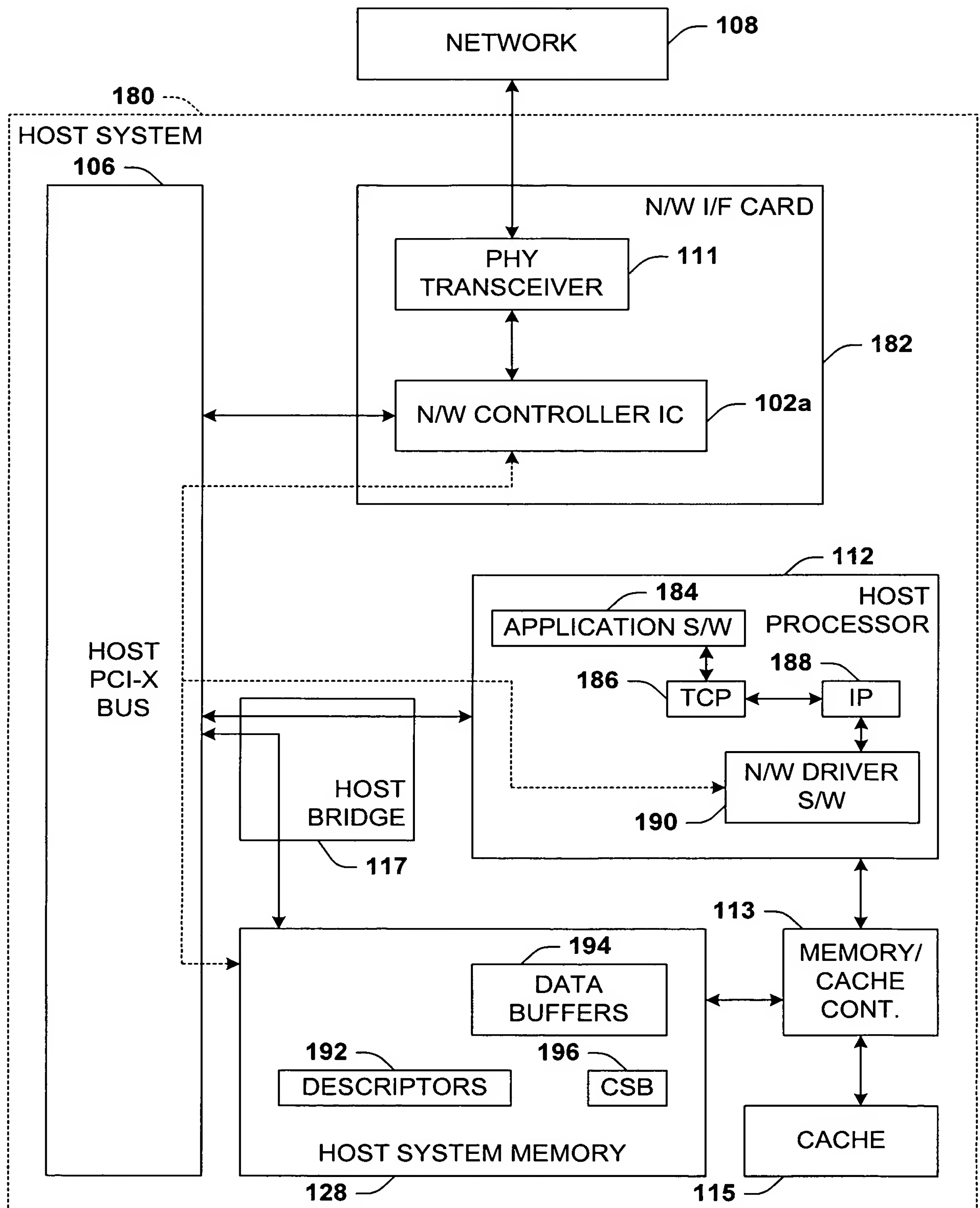


Fig. 3

**Fig. 4**

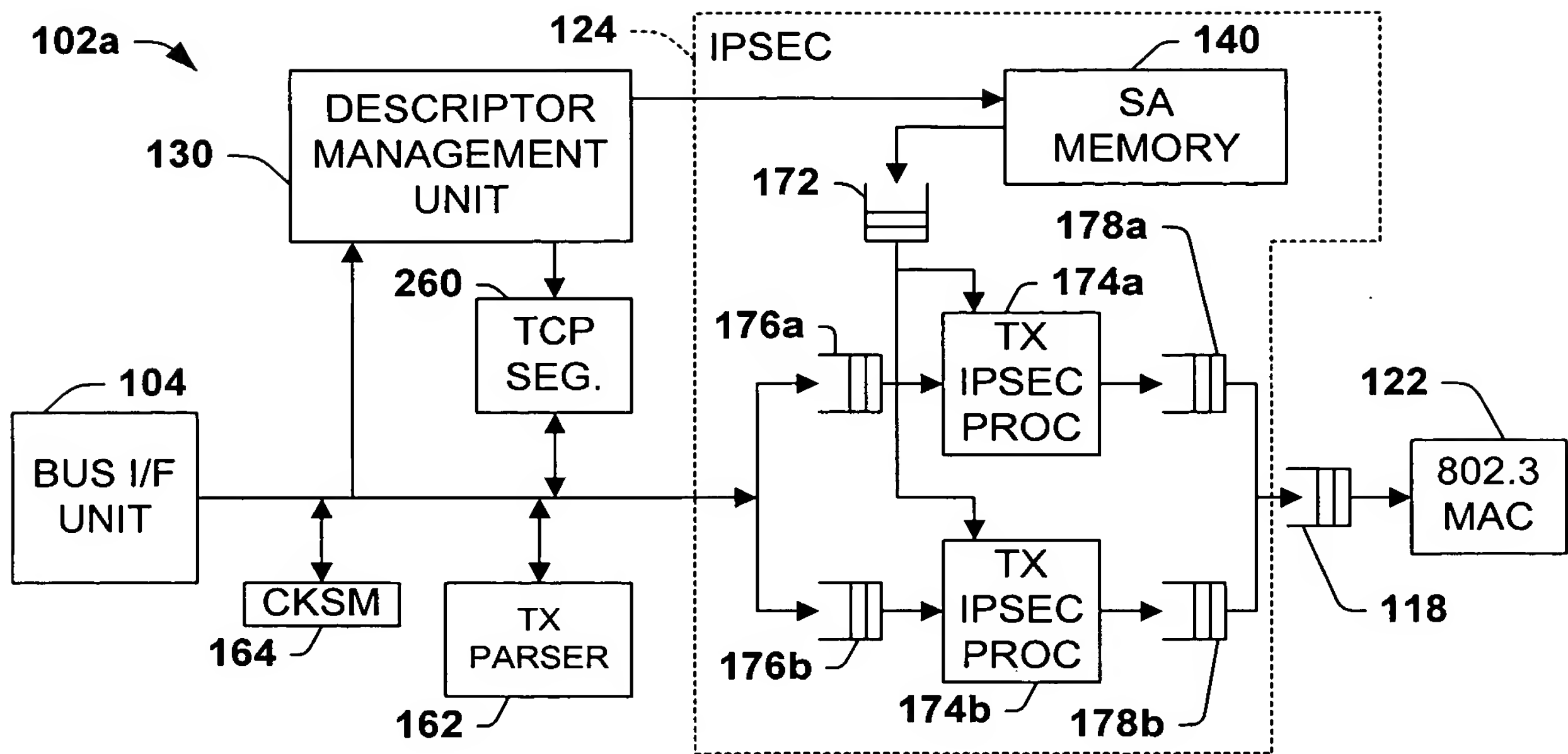


Fig. 5

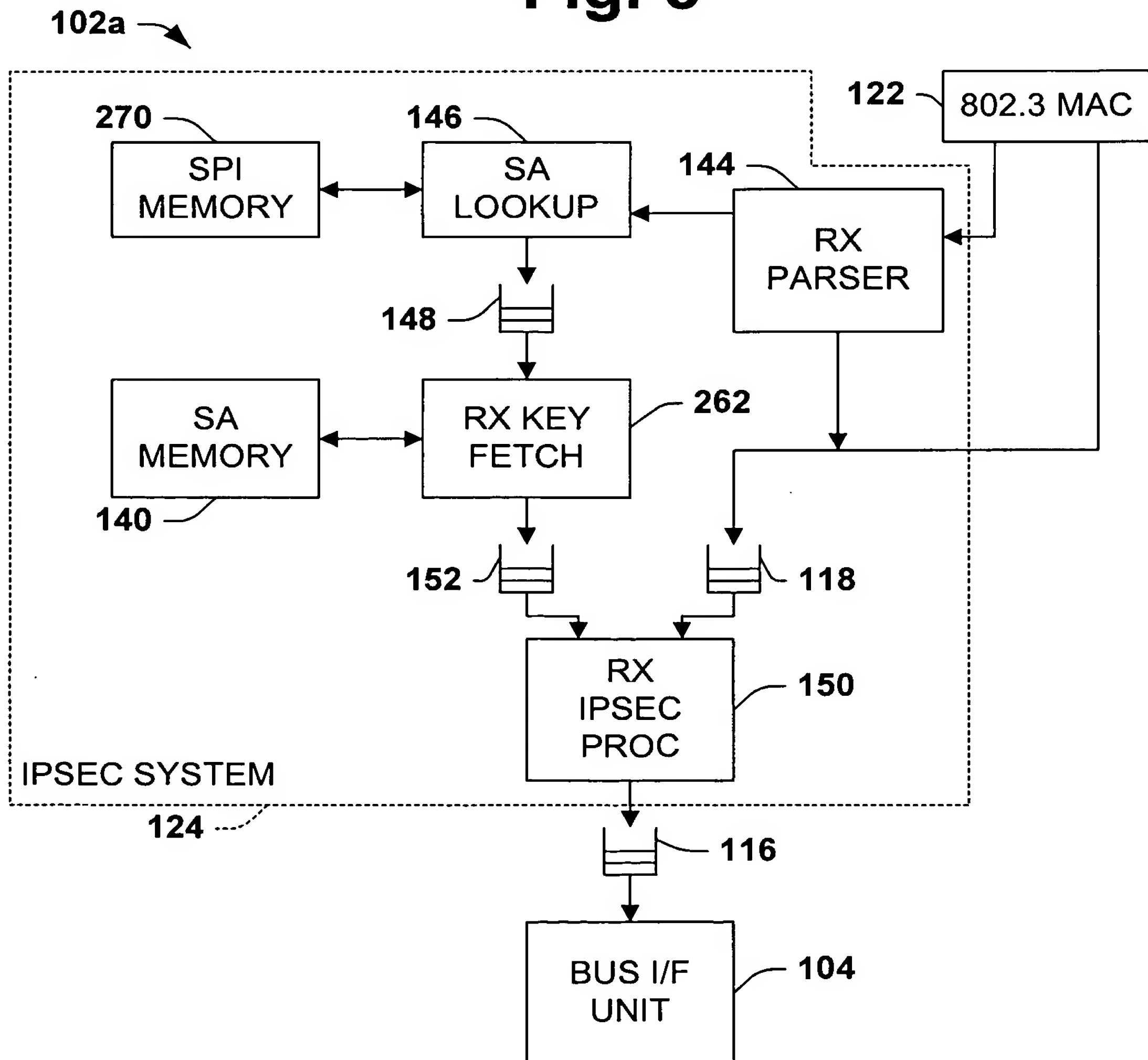


Fig. 6

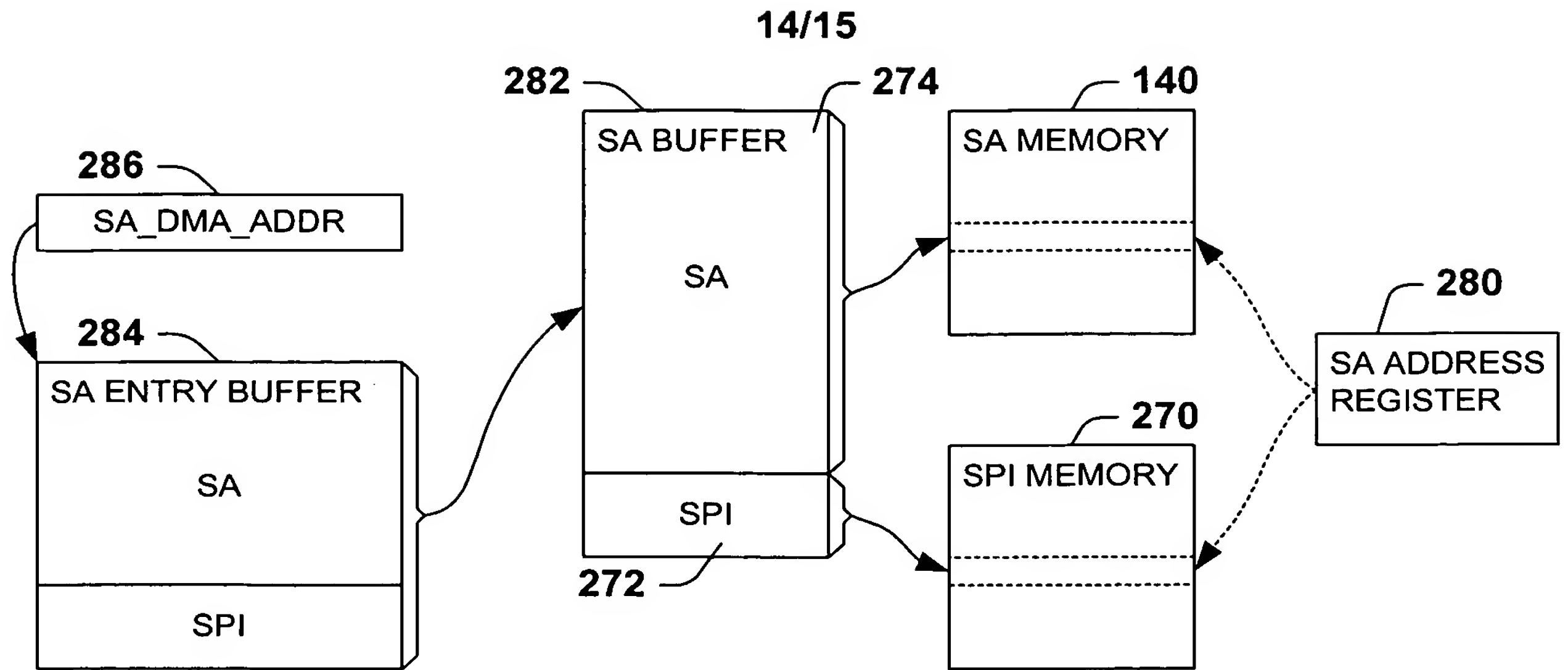


Fig. 7A

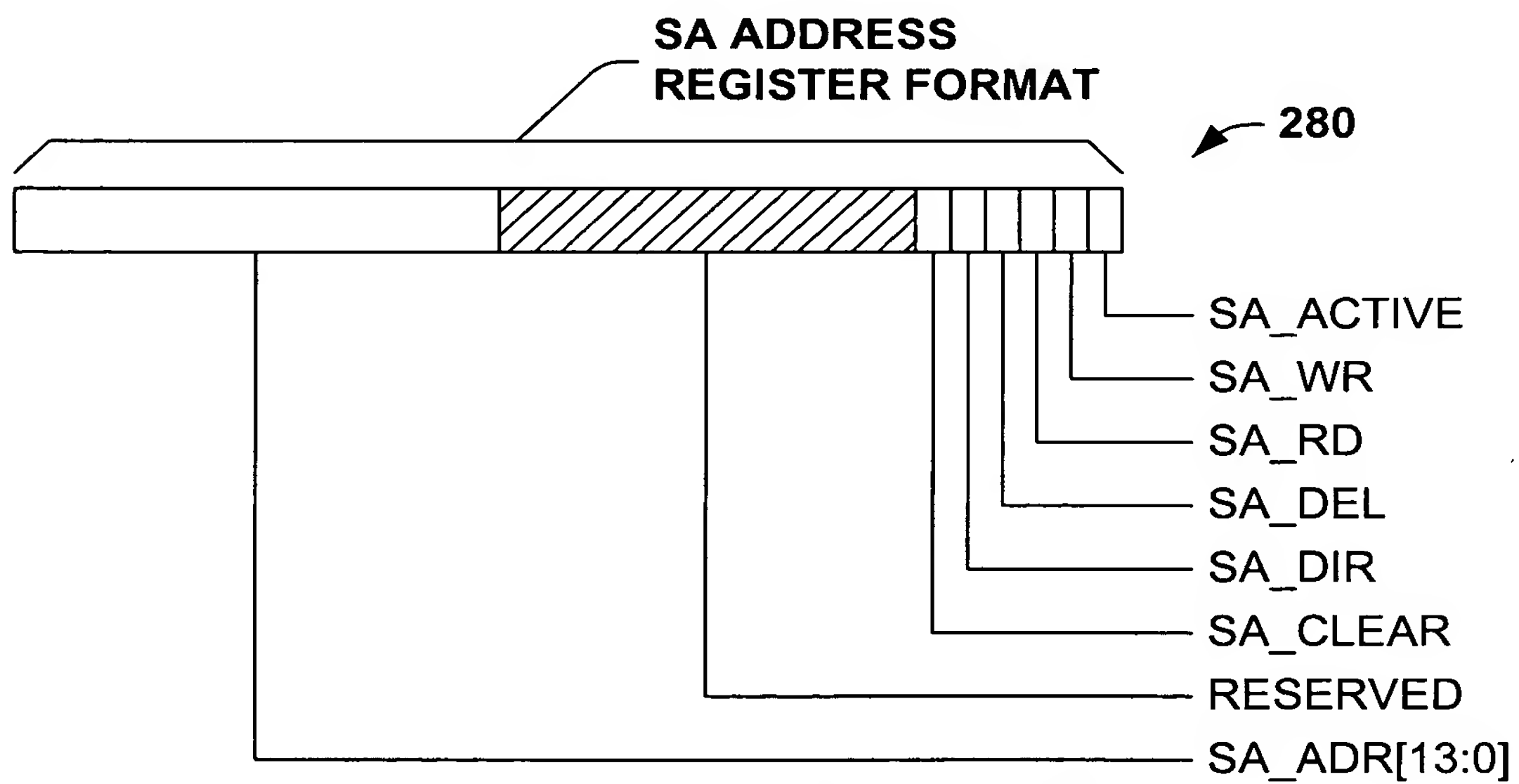


Fig. 7B

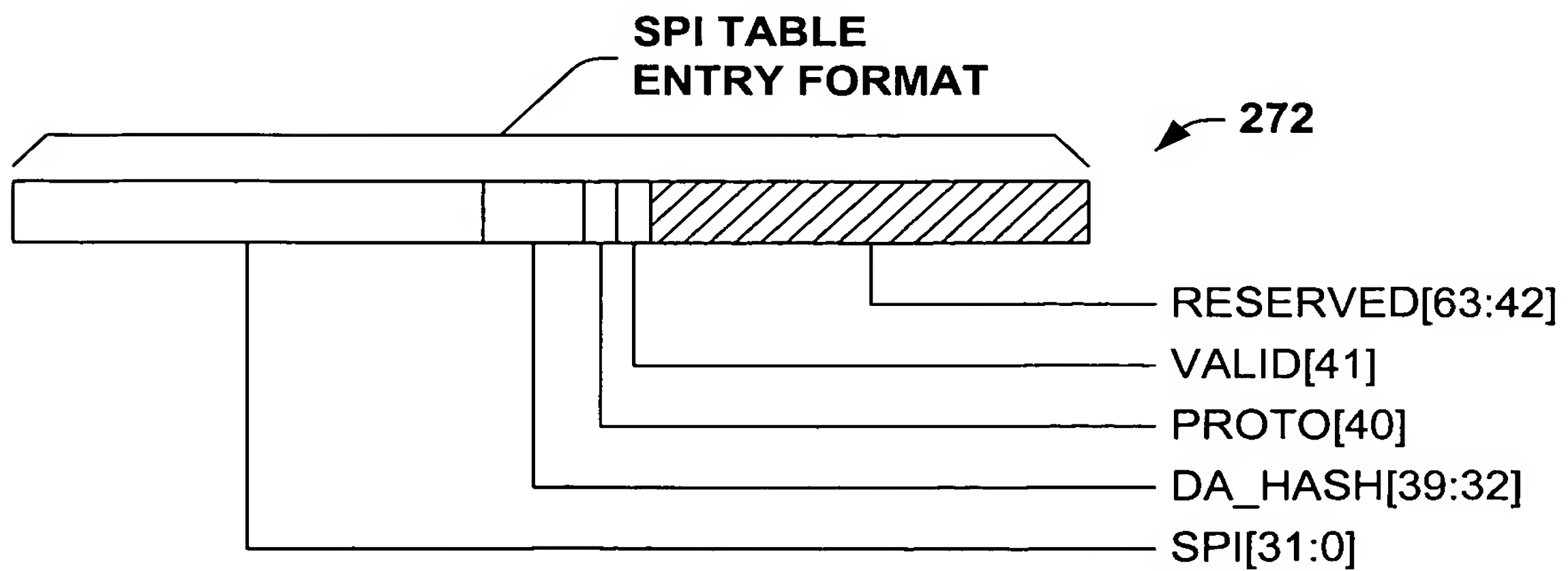


Fig. 7C

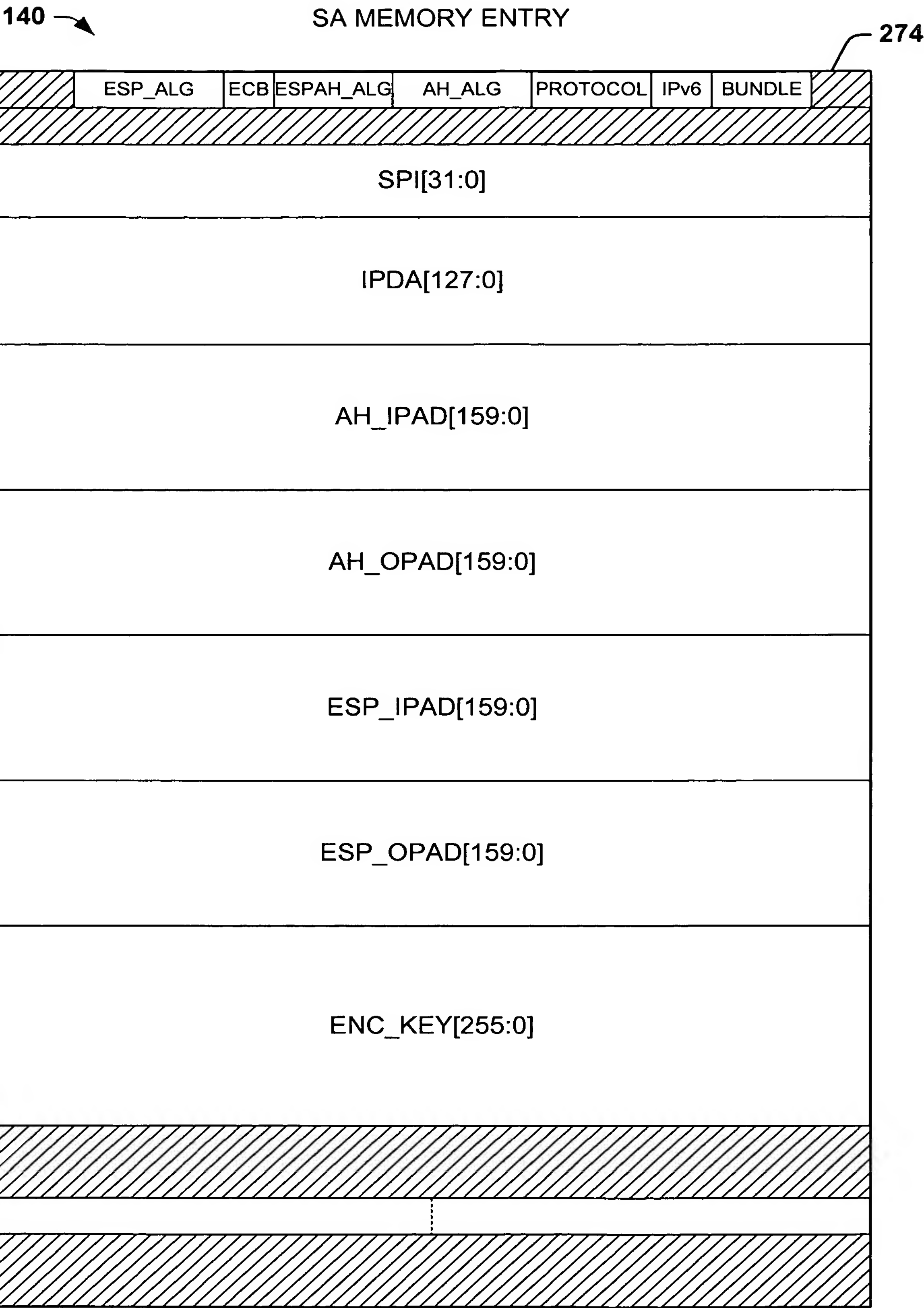


Fig. 7D